

PERMIT AMENDMENT NO. 2051-121-0919-S-02-1
ISSUANCE DATE:



GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality – Permit Amendment

In accordance with The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Rules, Chapter 391-3-1, adopted pursuant to or in effect under that Act, Permit No. 2051-121-0919-S-02-0 issued on February 4, 2020 to:

Facility Name: Hartybake
Facility Address: 6160 Boat Rock Blvd. SW
Atlanta, Georgia 30336 Fulton County
Mailing Address: 6160 Boat Rock Blvd. SW
Atlanta, Georgia 30336
Facility AIRS Number: 04-13-121-00919

for the following: Operation of a commercial bakery and for the construction and operation of a third baking line.

is hereby amended as follows: Construction and operation of a new waffle line (including oven with ID No. W03); removal of Line 1-Bread/Pretzel equipment; removal of Conditions 4.1, 4.2, 5.1, 5.2, and 5.3; and Modification of Condition Nos. 7.1 and 7.2.

Reason for Amendment: Application # 28675 dated January 4, 2023

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 1 page(s).

This Permit Amendment is hereby made a part of Permit No. 2051-121-0919-S-02-0 and compliance herewith is hereby ordered. Except as amended hereby, the above referenced Permit remains in full force and effect.



Richard E. Dunn, Director
Environmental Protection Division

**State of Georgia
Department of Natural Resources
Environmental Protection Division**

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2. Allowable Emissions

Deleted Condition

2.3 Deleted

4. Process & Control Equipment

Deleted Condition

4.1 Deleted

Deleted Condition

4.2 Deleted

5. Monitoring

Deleted Condition

5.1 Deleted

Deleted Condition

5.2 Deleted

Deleted Condition

5.3 Deleted

7. Notification, Reporting and Recordkeeping Requirements

Modified Condition

7.1 The Permittee shall retain the following records:

- a. Yeast content(s)
- b. Yeast action time(s)
- c. Pounds of waffle products produced for each dough formulation used at the **waffle** baking operation.
- d. Amount of each VOC-containing flavoring used per month.
- e. Percent by weight effective VOC content of each VOC-containing flavoring used
- f. Monthly billing records for natural gas
- g. Monthly purchase records of all cleaning and sanitizing chemicals.

All calculations used to figure usages or production amounts should be kept as part of the monthly record. These usage records shall be kept available for inspection or submittal for five years from the date of record.

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Modified Condition

- 7.2 The Permittee shall determine VOC emissions from the yeast via emission factors derived from a mathematical model based on source testing as presented in EPA Publication 453/R-92-017 titled "Alternative Control Technology Document in Bakery Oven Emissions." The equations are as follows:

$$\text{VOC E.F. \#X} = (0.95 * Y_i) + (0.195 * t_i) + (0.51 * S) - (0.86 * t_s) + 1.90$$

and

$$\text{Total VOC} = \sum (\text{VOC E.F. \#X} * Q / 2000)$$

where:

VOC E.F. #X	=	VOC Emission Factor from yeast, in pounds of VOC per ton of baked waffle , for waffle formulation X. Each formulation which results in a change in the variables below must have a different VOC Emission Factor.
VOC	=	Monthly VOC emissions from yeast (tons per month)
Y _i	=	Initial baker's percent of yeast to the nearest tenth of a percent (baker's percent of an ingredient refers to the weight of that ingredient per 100 pounds of flour in the formula).
t _i	=	Total yeast action time, in hours, to the nearest tenth of an hour (includes all time between the moment the yeast comes in contact with water and the moment the waffle enters the oven).
S	=	Final (spike) baker's percent of yeast to the nearest tenth of a percent.
t _s	=	Spiking time in hours to the nearest tenth of an hour.
Total VOC	=	Monthly VOC emissions (tons per month)
Q	=	Quantity of waffles (tons per month)
2000	=	Conversion factor from pounds to tons

8. Special Conditions

New Condition

- 8.3 Permit Nos. 2051-121-0919-S-01-0, 2051-121-0919-S-01-1, and 2051-121-0919-S-01-2 are hereby revoked in their entirety.